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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/049,957	02/19/2002	Yukio Kato	KATO=21	8967
1444	1 7590 03/23/2004		EXAMINER	
BROWDY AND NEIMARK, P.L.L.C.			SCHNIZER, RICHARD A	
624 NINTH STREET, NW SUITE 300			ART UNIT	PAPER NUMBER
WASHINGTO	WASHINGTON, DC 20001-5303		1635	
			DATE MAILED: 03/23/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

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Application No.	Applicant(s)					
10/049,957	KATO ET AL.					
Examiner	Art Unit					
Richard Schnizer, Ph. D	1635					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
36(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).					
ıly 2002.						
) This action is FINAL . 2b) This action is non-final.						
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
x parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.					
	•					
vn from consideration.						
9) The specification is objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s) I) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)						
Paper No(s)/Mail Da						
	Examiner Richard Schnizer, Ph. D Pears on the cover sheet with the cove					

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DETAILED ACTION

Election/Restrictions

Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group 1 claim(s) 1-6, 8-10, and 16, drawn to the polypeptide of SEQ ID NO:2, a polypeptide with MTf activity encoded by a nucleic acid that hybridizes under stringent conditions to nucleic acid encoding SEQ ID NO:2, and to a fragment of SEQ ID NO:2 lacking the GPI anchor region.

Group 2 claim(s) 1-6, 8-10, and 16, drawn to the polypeptide of SEQ ID NO:4, a polypeptide with MTf activity encoded by a nucleic acid that hybridizes under stringent conditions to nucleic acid encoding SEQ ID NO:4, and to a fragment of SEQ ID NO:4 lacking the GPI anchor region.

Group 3 claim(s) 11-6, 8-10, and 16, drawn to the polypeptide of SEQ ID NO:15, a polypeptide with MTf activity encoded by a nucleic acid that hybridizes under stringent conditions to nucleic acid encoding SEQ ID NO:15, and to a fragment of SEQ ID NO:15 lacking the GPI anchor region.

Group 4 claims 7 and 10, drawn to a nucleic acid encoding the polypeptide of SEQ ID NO:2, encoding a polypeptide with MTf activity encoded by a nucleic acid that hybridizes under stringent conditions to nucleic acid encoding SEQ ID NO:2, or encoding a fragment of SEQ ID NO:2 lacking the GPI anchor region.

Group 5 claims 7 and 10, drawn to a nucleic acid encoding the polypeptide of SEQ ID NO:4, encoding a polypeptide with MTf activity encoded by a nucleic acid that hybridizes under stringent conditions to nucleic acid encoding SEQ ID NO:4, or encoding a fragment of SEQ ID NO:4 lacking the GPI anchor region.

Group 6 claims 7 and 10, drawn to a nucleic acid encoding the polypeptide of SEQ ID NO:15, encoding a polypeptide with MTf activity encoded by a nucleic acid that

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hybridizes under stringent conditions to nucleic acid encoding SEQ ID NO:15, or encoding a fragment of SEQ ID NO:15 lacking the GPI anchor region.

Group 7, claims 11 and 12, drawn to an oligonucleotide, or oligonucleotide analog, that hybridizes to a nucleic acid encoding MTf and suppresses chondrogenic differentiation.

Group 8, claims 11 and 12, drawn to an antibody, that binds to MTf and suppresses chondrogenic differentiation.

Group 9, claims 13-15 drawn to a method of screening for an MTf activating agent.

The inventions listed as Groups 1-9 do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons:

The technical feature linking the claimed invention is a membrane bound transferrin-like protein (MTf). However, MTfs, as well as nucleic acids encoding them, were known in the prior art. The specification at page 9 discloses that rabbit and human MTfs were taught by Kawamoto et al. (Eur. J. Biochem. 256: 503-509, 1998) and Rose et al (PNAS 83, 1261-1265,1986), respectively. Rose also taught the nucleic acid encoding human MTf. Therefore the technical feature linking the different inventions is not a special technical feature under PCT Rule 13.2 because it does not make a contribution over the prior art. Because the invention are not linked by a special technical feature, restriction between them is proper. The special technical feature of each group is considered to be as set forth in the description of the groups above.

A telephone call was made to Allen Yun on 3/17/04 to request an oral election to the above restriction requirement, but did not result in an election being made.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner(s) should be directed to Richard Schnizer, whose telephone number is 571-

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272-0762. The examiner can normally be reached Monday through Friday between the hours of 6:20 AM and 3:50 PM. The examiner is off on alternate Fridays, but is sometimes in the office anyway.

If attempts to reach the examiner by telephone are unsuccessful, the Examiner's supervisor, John Leguyader, be reached at 571-272-0760. The official central fax number is 703-872-9306. Inquiries of a general nature or relating to the status of the application should be directed to the Patent Analyst Trina Turner whose telephone number is 571-272-0564.

Richard Schnizer, Ph.D.

DAVET.NGUYEN PRIMARY EXAMINER